

ABSTRACT OF THE DISCLOSURE

A measuring apparatus comprising a measuring chip, an optical incidence system, a photodiode array, a differentiation part, and a computation part. The differentiation part differentiates an optical detection signal output from each light-receiving element, in a direction where light-receiving elements are juxtaposed, at intervals of outputs of two adjacent light-receiving elements. The computation part specifies a reference light-receiving element, then judges whether or not values of the optical detection signals of a first predetermined number of light-receiving elements increase monotonously in directions going to both sides, and computes a position of a dark line on the basis of a value obtained by differentiating the outputs of a second predetermined number of light-receiving elements sandwiching the reference light-receiving element when it is judged that the values of the optical detection signals increase monotonously, in the above-described direction.